System Diagram

Ethernet

AP

AS

DB

Log

Radio
enabled
device

Wired
device

Figure 1

AP running
802.1x using EAP-TTSL
tunneling
PAP & MS-CHAPv2
(o or more)

AP running 802.1x
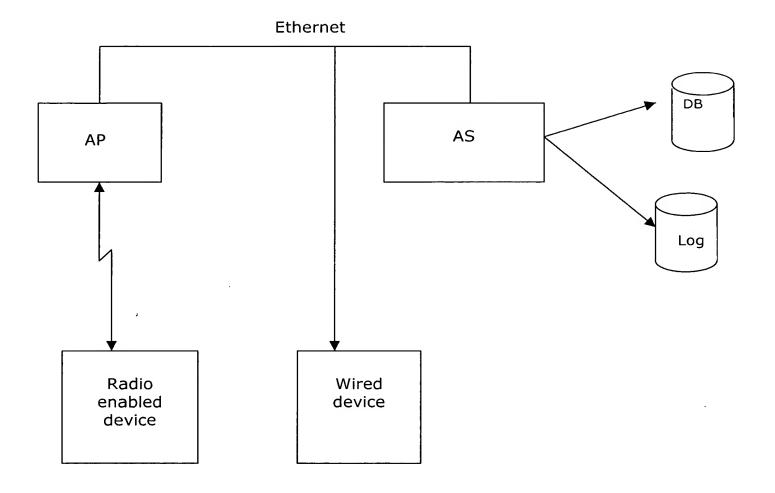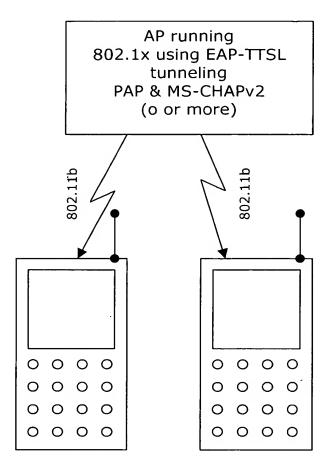Using EAP TTLS tunneling
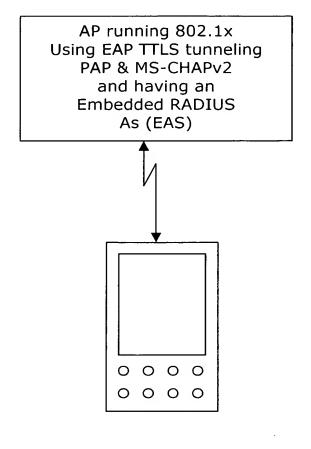PAP & MS-CHAPv2
and having an
Embedded RADIUS
As (EAS)

802.11b

802.11b
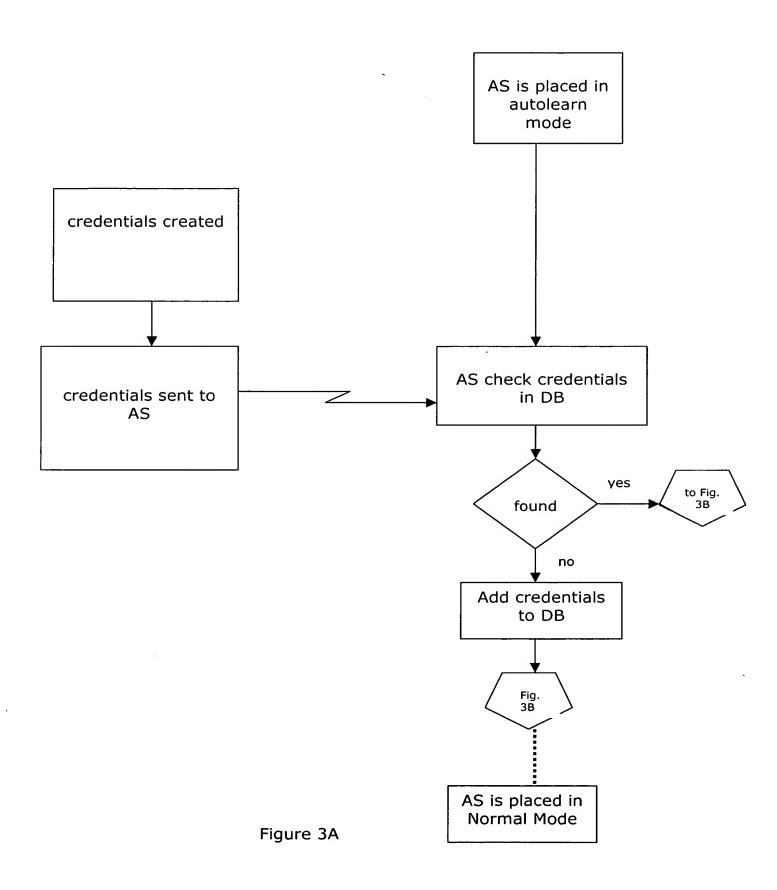
Antares 2145 running
802/X EAP-TTLS

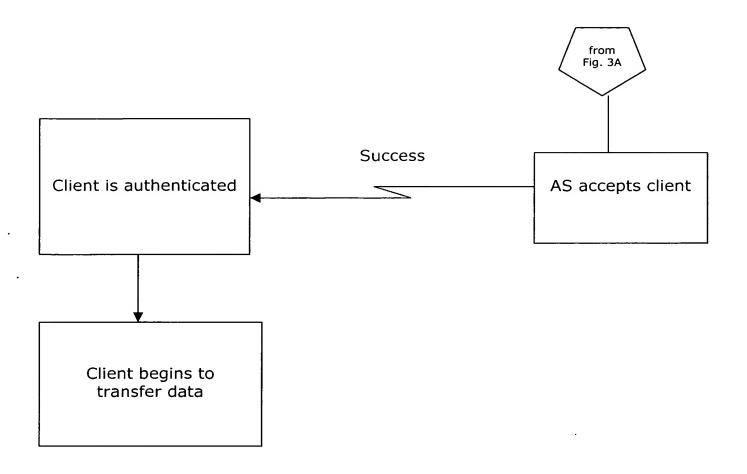Model 700 running
802.1X EAP-TTLS

Figure 2

Autolearn Mode

AS is placed in
autolearn
mode

credentials created

credentials sent to
AS

AS check credentials
in DB

found

yes → to Fig.
3B

no

Add credentials
to DB

Fig.
3B

AS is placed in
Normal Mode

Figure 3A

```
                                                          ┌──────────┐
                                                          │   from   │
                                                          │  Fig. 3A │
                                                          └──────────┘
                                                                │
┌────────────────────────┐         Success          ┌────────────────────────┐
│                        │                           │                        │
│  Client is authenticated│ ◄───────────────────────│    AS accepts client   │
│                        │                           │                        │
└────────────────────────┘                           └────────────────────────┘
            │
            ▼
┌────────────────────────┐
│                        │
│    Client begins to    │
│      transfer data     │
│                        │
└────────────────────────┘
```

Figure 3B

Logging Mode

Credentials created

AS is placed in "logging credentials" mode

Credentials sent to authentication server

credentials

AS checks credentials DB

Found ?

yes

Fig. 5

no

logs credentials

Administrator validates and accepts logged credentials into DB

success

Client is authenticated

AS accepts client

Client begins to transfer data

Figure 4